

**UNITED STATES AGENCY FOR INTERNATIONAL  
DEVELOPMENT**

**Enterprise Energy Efficiency (3E) Project**

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***EE ON PANONICA LAKES FACT SHEET***

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## ENERGY EFFICIENCY ON OUR LAKES

On August 24, 2013, USAID 3E organized a public awareness event “Energy Efficiency On Our Lakes” to present the practical benefits of energy efficiency and renewable energy sources to the visitors of the Pannonica Lakes in Tuzla. This was done as part of the “**Energy Efficiency Year of Tuzla Canton**” implemented by USAID 3E and UNDP, in partnership with Tuzla Canton and all Tuzla Canton 13 municipalities,



Visitors of the Pannonica Lakes in Tuzla enjoyed an exhibition of working models of devices powered by solar energy, which were produced by the Center for Development and Support (CRP) Tuzla. The models included a photovoltaic panel for electricity production that powered a refrigerator and other electric devices, solar collectors for the production of sanitary hot water with an installed shower, a Solar-powered cart that children had an opportunity to drive, and a solar concentrator that showed the power of concentrated solar energy by melting a tin can and burning wood.



*(Electrical Engineering School Tuzla)*

Also present were students of the Tuzla Electrical Engineering High School, who presented models from the "First Festival of Renewable Energy of Tuzla Canton Secondary Schools," including models for hydropower, wind power, passive houses, as well as models related to LED technology, LED-illuminated advertising panel for public advertising, traffic lights and solar powered street lights, and various other models related to energy efficiency and renewable energy.

The members of the Tuzla Student Energy Club presented the “Ice Cube Project,” which showed two ice cubes, one insulated and the other not. In the course of the day the ice cube that was not insulated melted away, while the insulated ice cube stayed intact on direct sunlight. The “Ice Cube Project” showed the advantages of insulation to stop heat loss.

*(Ice Cube by Student Energy Club Tuzla)*



*(USAID Solar Energy and USAID 3E Project)*



*(Tuzla Mayor)*

The Panonnica event was a great opportunity for all visitors of the lakes in Tuzla to enjoy a practical demonstration of solar power, renewable energy sources and energy efficiency technologies and share ideas with the Student Energy Club representatives.

*(Photovoltaic panel by CRP)*

